

# Appendix I: Park-Oriented Biological Support (POBS) Projects

Table I-1. Park-Oriented Biological Support (POBS) Projects, FY 2011

Region	State	Park	Project title
IMR	CO	Great Sand Dunes National Park and Preserve	Developing a grazing monitoring program for Great Sand Dunes NP, Colorado
	CO	Rocky Mountain National Park	Identifying and implementing a quantitative approach to measuring success in boreal toad reintroductions
	MT	Glacier National Park	Assessing the threat of climate change to headwater amphibians in Glacier NP
	MT	Glacier National Park	Maximizing legacy databases to understand climate change effects on alpine vegetation <sup>a</sup>
	TX	Padre Island National Seashore	Ecological importance of biodiversity hotspots to coastal sharks: Characterizing apex predator usage of Padre Island NS
	WY, MT, ID	Yellowstone National Park	Effects of sarcoptic mange on gray wolves in Yellowstone NP
MWR	MI	Sleeping Bear Dunes National Seashore	Algal benthic invertebrate community as a source of bird botulism pathogen
	NE	Niobrara National Scenic River	Past and present tree density in Niobrara Valley forest: Implications for managing paper birch populations
	SD	Badlands National Park	Pollination webs to guide management of rare and invasive species in a changing climate
PWR	CA	Channel Islands National Park	Development of a monitoring framework for the island scrub-jay
	CA	Sequoia and Kings Canyon National Parks	Designing a giant sequoia monitoring program
	CA	Yosemite National Park	The effects of fire severity on California spotted owl habitat use in a burned landscape in Yosemite NP, California
	CA	Yosemite National Park, Lassen Volcanic National Park, Sequoia and Kings Canyon National Parks, Devils Postpile National Monument	Impact of climate change on future suitability of the Sierra Nevada for wolverines <sup>a</sup>
	CA	Yosemite National Park, Sequoia and Kings Canyon National Parks	Determining the ages and carbon storage rates of Sierra Nevada fens
	CA	Yosemite National Park, Sequoia and Kings Canyon National Parks	Integrating early detection and control of velvetgrass ( <i>Holcus lanatus</i> ) in Yosemite and Sequoia and Kings Canyon NPs
	ID	City of Rocks National Reserve	Vegetation and fire history of City of Rocks National Reserve: Relevance for understanding the role of climate and disturbance in plant migration in the American West <sup>a</sup>
	OR, ID	Crater Lake National Park, Craters of the Moon National Monument and Preserve	Developing genetic-based connectivity models for the American pika
SER	WA	Olympic National Park	Evaluate fisher restoration in Olympic NP
	TN	Great Smoky Mountains National Park	Identifying the appropriate unit of management for Great Smoky Mountains NP brook trout ( <i>Salvelinus fontinalis</i> )
	Virgin Islands	Virgin Islands Coral Reef National Monument	Exploring the links between coral reefs and mangroves: Characterization of Hurricane Hole, Virgin Islands Coral Reef NM <sup>a</sup>

<sup>a</sup>Project received climate change funding.